



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of  
KAGAWA et al

Serial No. 10/667,483

Filed: September 23, 2003

For: OPTICALLY ACTIVE EPOXY COMPOUNDS AND PROCESSES  
FOR THEIR PRODUCTION

Atty. Ref.: 380-41

Group: 1625

Examiner:

\* \* \* \* \*

January 6, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Attention is invited to the attached copy of a Search Report mailed on December 8, 2003 in the counterpart European application and a copy of each document cited in it. A completed Form PTO-1449 is also attached.

Official citation and consideration of all the attached documents is requested. Please return to the undersigned a copy of the attached PTO-1449 with the examiner's initials in the left column [MPEP §609] with the next communication.

I hereby certify that each item of information contained herein was first cited in any communication from a foreign patent office in a counterpart foreign application not more than 3 months from the filing date of this statement [see 37 C.F.R. § 1.97(e) (1)].

The Commissioner is hereby authorized to charge our Deposit Account No. 14-1140 for any fees required in connection with the filing of this Information Disclosure Statement.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_



Arthur R. Crawford  
Reg. No. 25,327

ARC:eaw  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO.	SERIAL NO.			
		380-41	10/667,483			
APPLICANT						
KAGAWA et al						
(Use several sheets if necessary)		FILING DATE	GROUP			
JAN 06 2004 USPTO PATENT & TRADEMARK OFFICE		September 23, 2003	1625			
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS				TRANSLATION		
DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	YES NO
1 127 885 A2		8/2001	EP			
1 127 616 A1		8/2001	EP			
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)						
Lygo et al, "Phase-Transfer Catalysed Asymmetric Epoxidation of Enones using N-Anthracynlmethyl-Substituted Cinchona Alkaloids", Tetrahedron 55 (1999) 6289-6300; XP-002261397.						
Arai et al, "Catalytic Asymmetric Darzens Condensation Under Phase-Transfer-Catalyzed Conditions", Tetrahedron Letters 39 (1998) 2145-2148; XP-002261396.						
Nemoto et al, "Catalytic Asymmetric Epoxidation of Enones Using La-BINOL-Triphenylarsine Oxide Complex: Structural Determination of the Asymmetric Catalyst", J. Am. Chem. Soc. 2001, 123, 2725-2732; XP-002261395.						
Watanabe et al, "The First Catalytic Enantioselective Synthesis of cis-Epoxyketones from cis-Enones", J. Org. Chem. 1998, 63, 8090-8091; XP-002261394.						
Corey et al, "Mechanism and Conditions for Highly Enantioselective Epoxidation of ...", Organic Letters 1999 Vol. 1, No. 8, 1287-1290; XP-002261393.						

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.